

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	12	"6307532"	US-PGPUB; USPAT	OR	ON	2009/07/09 14:35
S1	585	((MARTIN) near2 (EDWARD)).INV.	US-PGPUB; USPAT	OR	ON	2008/09/23 18:59
S2	128	"5130829"	US-PGPUB; USPAT	OR	ON	2008/09/23 19:01
S3	1	10/564237	US-PGPUB; USPAT	OR	ON	2008/09/24 09:52
S4	15519	shar\$4 same data same power	US-PGPUB; USPAT	OR	ON	2008/09/24 09:57
S5	1665	shar\$4 same data same power and lcd	US-PGPUB; USPAT	OR	ON	2008/09/24 09:57
S6	10	shar\$4 same data same power and lcd and 345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/09/24 11:13
S7	1220	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/09/24 11:57
S8	426	345/92.ccls. and (power same data)	US-PGPUB; USPAT	OR	ON	2008/09/24 11:58
S9	41	345/92.ccls. and ((power same data) near1 line)	US-PGPUB; USPAT	OR	ON	2008/09/24 11:58
S10	57	345/92.ccls. and (power same data same (shar\$4 or alternat\$4))	US-PGPUB; USPAT	OR	ON	2008/09/24 11:58
S11	5	("6127997"   "6297793").PN. OR ("6483494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/24 12:10
S12	3	03/007286	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 12:17
S13	32	"5510807"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 12:22

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S14	53604	pre\$1charg\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 12:24
S15	80	pre\$1charg\$4 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 12:24
S16	3	03/007286	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/25 15:09
S17	16	"6278426"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/25 15:10
S18	18	("5436742"   "5627557"   "5691783"   "5926160").PN. OR ("6278426").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 16:38
S19	1	10/564473	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 18:05
S20	32	"5731805"	US-PGPUB; USPAT	OR	ON	2008/10/08 21:10
S21	75	("4687298"   "4704002"   "4723838"   "4810060"   "4928095"   "4936656"   "4948231").PN. OR ("5130829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:36
S22	26	("4759610"   "5130829"   "5155612"   "5317432"   "5327001"   "5365355"   "5414547"   "5426526"   "5500750"   "5648859"   "5684550"   "5706067"   "5708486"   "5721596"   "5818560"   "5917563"   "5933204"   "5966192"   "5978056"   "6087648"   "6175397"   "6232939"   "6239777"   "6239851"   "6266116"   "6309080").PN. OR ("7339567").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:39

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S23	12	("20020075211"   "4406997"   "4430648"   "4870396"   "5130829"   "5325442"   "5349174"   "5396261"   "5448258"   "5712652"   "5923311"   "5977940").PN. OR ("7230597").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:39
S24	88	("4648691"   "4759610"   "5130829"   "5181132"   "5327001"   "5365355"   "5414547").PN. OR ("5500750").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:39
S25	69	("5130829").PN. OR ("5446562").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:39
S26	23	("5130829"   "5477073"   "5572046"   "5712495"   "5818070"   "5977559").PN. OR ("6046479").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:40
S27	3499	345/87.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:40
S28	11	"6307532"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:41
S29	17	("20020041263"   "20020047840"   "20020105492"   "20020149558"   "5192945"   "5469164"   "5614922"   "5657039"   "5905484"   "5959600"   "6072456"   "6271783"   "6304242"   "6307532"   "6462725"   "6633284"   "6919870").PN. OR ("7002563").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:41
S30	13	("4824212"   "5682175"   "5894296").PN. OR ("6072456").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:41
S31	3	("4963860"   "5510807").PN. OR ("6545657").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:42
S32	3789	345/204.ccls.	US-PGPUB; USPAT	OR	ON	2009/01/13 12:43
S33	154900	(power or current) same data same line	US-PGPUB; USPAT	OR	ON	2009/01/13 12:44
S34	1854	(power or current) same data same line and (S27 or S32)	US-PGPUB; USPAT	OR	ON	2009/01/13 12:44
S35	871	(power or current) same data same line and (S27)	US-PGPUB; USPAT	OR	ON	2009/01/13 12:44
S36	120	(power or current) same data same line and (S27) and cmos	US-PGPUB; USPAT	OR	ON	2009/01/13 12:45
S37	18	("20020089483"   "5339090"   "5945972"   "6333737"   "6384818").PN. OR ("6747623").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:46
S38	594	((MARTIN) near2 (EDWARD)).INV.	US-PGPUB; USPAT	OR	ON	2009/01/13 12:46

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S39	11	S38 and S27	US-PGPUB; USPAT	OR	ON	2009/01/13 12:47
S40	12	("20020075211"   "4406997"   "4430648"   "4870396"   "5130829"   "5325442"   "5349174"   "5396261"   "5448258"   "5712652"   "5923311"   "5977940").PN. OR ("7230597").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:47
S41	6	("5945972"   "5952991"   "6140983"   "6563480").PN. OR ("6937248").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:47
S42	17	((("5017914" or ("5436747") or ("5640273") or ("6046711") or ("6088014") or ("6433768") or ("7012290") or ("7427833"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/13 12:49
S43	30	("4481511"   "4990904"   "5061920"   "5138305"   "5162786"   "5351064"   "5406308"   "5448259"   "5475437"   "5508714"   "5517603"   "5638088"   "5644329"   "5648790"   "5689280"   "5699074"   "5719594"   "5784037"   "5815128"   "5844539").PN. OR ("6088014").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:50
S44	50	("4822142"   "4842371"   "4850677"   "4995703"   "5041823"   "5093655"   "5107353"   "5365284").PN. OR ("5436747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/13 12:50
S45	635	((MARTIN) near2 (EDWARD)).INV.	US-PGPUB; USPAT	OR	ON	2009/07/06 13:20
S46	3760	345/87.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/06 13:21
S47	4073	345/204.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/06 13:22
S49	2547	(pixel or element) same (coupl\$4 attach\$4) same (adjacent) same column	US-PGPUB; USPAT	OR	ON	2009/07/06 13:23
S50	4115	(pixel or element) same (coupl\$4 attach\$4) same (adjacent) same column and S46 or S47	US-PGPUB; USPAT	OR	ON	2009/07/06 13:23
S51	66	(pixel or element) same (coupl\$4 attach\$4) same (adjacent) same column and (S46 or S47)	US-PGPUB; USPAT	OR	ON	2009/07/06 13:23
S52	13	grant near1 sitta	US-PGPUB; USPAT	OR	ON	2009/07/06 14:00
S53	7	("20020011984"   "6266039"   "6282136"   "6307681"   "6359608"   "6563743"   "6924784").PN. OR ("7333098").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/06 14:01
S54	52	(pixel or element) same (coupl\$4 attach\$4) same (adjacent) same column same voltage same switch	US-PGPUB; USPAT	OR	ON	2009/07/06 14:18

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S55	76	("4687298"   "4704002"   "4723838"   "4810060"   "4928095"   "4936656"   "4948231").PN. OR ("5130829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/06 15:16
S56	7	("6127997"   "6297793").PN. OR ("6483494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/06 15:16
S57	16	("4990902"   "5526015"   "5592194"   "5801672"   "5899548").PN. OR ("6232945").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/06 15:16
S58	10	("5510807").PN. OR ("6307532").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/06 15:16
S59	705	lod and pixel same switch same voltage same column	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/06 15:21
S60	18	("20020041263"   "20020047840"   "20020105492"   "20020149558"   "5192945"   "5469164"   "5614922"   "5657039"   "5905484"   "5959600"   "6072456"   "6271783"   "6304242"   "6307532"   "6462725"   "6633284"   "6919870").PN. OR ("7002563").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/06 15:23
S61	13	("4621260"   "4845482"   "4955697"   "5398043"   "5793346"   "5844535"   "5945970"   "6005542"   "6115017"   "6300926"   "6307532"   "6344885").PN. OR ("6864871").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/06 15:34
S62	21	("20010010511"   "4714921"   "4890101"   "5130829"   "5510807"   "5641974"   "5648793"   "5686936"   "5764207"   "5892493"   "5959600"   "6163310"   "6452580").PN. OR ("6700562").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/07 12:34
S63	1	09/464869	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/07 12:38
S64	8	("4714921"   "4890101"   "5021774"   "5130829"   "5598177"   "5641974").PN. OR ("6452580").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/07 12:38
S65	458	(demux or demultiplier) and lod	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/07 12:47
S66	65	(demux or demultiplier) and lod and "345"/\$5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/07 12:47
S67	10	("20020050972"   "20040196550"   "5056012"   "6331847"   "6466192"   "6747624"   "6756959"   "6756962").PN. OR ("7136039").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/07 12:59

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S68	92		"5977940"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/07 13:00
S69	1		10/564237	US-PGPUB; USPAT	OR	ON	2009/07/09 10:49
S70	3		03/007286	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/09 11:53
S71	8	("20030016202" "6278426" "6864883" "7221343").PN.		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/09 11:54
S72	17	("20020047826"   "20020158823"   "20030016191"   "20030030629"   "20030214522"   "20040004591"   "20040066363"   "20040179003"   "20050264474"   "5019917"   "5283658"   "6144366"   "6323880"   "6400101"   "6744426"   "6784876"   "6909419").PN. OR ("7221343").URPN.		US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 11:57
S73	131		"5130829"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 12:07
S74	92		"5977940"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 12:15
S75	123		"5712652"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 12:15
S76	17		"5396261"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 12:15
S77	54		"4870396"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 12:15
S78	15		"4406997"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 12:15
S79	264	refresh near2 circuit and lcd		US-PGPUB; USPAT	OR	ON	2009/07/09 12:35
S80	423	refresh near2 circuit and (lcd or (liquid near1 crystal))		US-PGPUB; USPAT	OR	ON	2009/07/09 12:35

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S81	172	refresh near2 circuit and (lcl or (liquid near1 crystal)) and "345"/\$5.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/09 12:35
S82	108	"007286"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/09 12:51
S83	0	"200303016202"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/09 12:55
S84	3	"20030016202"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/09 12:55
S85	12	("20020075211"   "4406997"   "4430648"   "4870396"   "5130829"   "5325442"   "5349174"   "5396261"   "5448258"   "5712652"   "5923311"   "5977940").PN. OR ("7230597").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 12:57
S86	131	"5130829"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 13:05
S87	19740	Power same (data address) same (alternat\$4 share switch) and (lcl (liquid near1 crystal))	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 13:08
S88	3672	Power same (data address) same (alternat\$4 share switch) and (lcl (liquid near1 crystal)) and "345"/\$5	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 13:08
S89	7255	(Power voltage) same (data address) same (alternat\$4 share switch) and (lcl (liquid near1 crystal)) and "345"/\$5	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 13:09
S90	2245	(Power voltage) same ((data address) near1 line) same (alternat\$4 share switch) and (lcl (liquid near1 crystal)) and "345"/\$5	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 13:09
S91	274	(Power voltage) same ((data address) near1 line) same (alternat\$4 share switch) and (lcl (liquid near1 crystal)) and "345"/204. ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 13:10
S92	122	("4651149"   "5373378"   "5416620"   "5471225"   "5523776"   "5534884").PN. OR ("5712652").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/09 13:11